Anirudh Sunil

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https://github.com/anirudhs1010 | https://anirudhsunil.vercel.app/

Education

University of Illinois - Urbana Champaign   **Dec 2026**
Bachelor of Science, Mathematics and Computer Science
- **Coursework:** Computer Architecture, Data Structures, Abstract Linear Algebra, Discrete Mathematics, Algorithms , Graph Theory, Probability and Statistics in Computer Science, Systems Programming, Numerical Methods, Differential Equations

Skills

- **Programming Languages**: React, TypeScript, C, C++, Python, Java, SQL, HTML, JavaScript, CSS
- **Tools And Frameworks**: PostgreSQL, Redis, AWS, Kubernetes, Burp Suite, OWASP ZAP, DirBuster, NodeJS, Fusion360, NextJS

Work Experience

National Center for Supercomputing Applications   **Aug 2025 - Dec 2025**
Data Analyst Intern
- Preprocessed geospatial and socioeconomic feature data for the Amazon in Brazil, enhancing data quality for subsequent analysis
- Conducted data modeling, analysis, and predictive assessments, providing insights for decision-making processes
- Created maps and other data visualizations with Python, facilitating better understanding of complex data sets
- Assisted in the development, training, validation, and testing of machine learning algorithms, improving model accuracy and performance

Warmly, (YC S20)   **Jun 2025 - Aug 2025**
Software Engineer Intern
- Implemented Salesflow email integration with Typescript to optimize customer outreach by 87%
- Integrated CRM system with React, Postgres, and SQL to simulate sales team interactions with Redis server for authentication, improving data management

Prancer Enterprises   **Jun 2022 - Aug 2022**
Software Engineer Intern - Cloud Security
- Configured Amazon Web Services S3 buckets to organize layout, improving data access efficiency by 130%
- Reconfigured Kubernetes pods to optimize resource allocation, enhancing the performance of pod clusters, containers, and nodes using understanding of infrastructure, cloud offerings, and DevOps
- Established secure connections to regulate SQL databases, successfully preventing 10 injection attacks and ensuring data integrity
- Utilized Shift Left Security tools such as Burp Suite proxy, OWASP ZAP, and DirBuster to secure websites, reducing vulnerabilities and enhancing security posture

Trydan Tech   **Jun 2024 - Jul 2024**
Software and Systems Development Intern
- Integrated CAN communication protocols in Python script to collect data for the EV scooter, ensuring accuracy testing with Synchronous Reluctance motor via Raspberry Pi's SPI interface and 2CH CAN FD HAT
- Decoded bits from a DBC file and organized data in a CSV format, facilitating effective analysis and identification of correlations among parameters such as speed, temperature, and phase current, which enhanced data-driven decision-making
- Collaborated with peers to analyze 10,000 data points across 26 motor variables, improving code review and quality assurance practices through detailed analysis and teamwork, which led to enhanced software reliability and performance

Projects

Rankd | https://rankdgame.vercel.app/
- Designed web app with NextJS, Tailwind CSS, and Supabase that allows users to play a ranking game for companies and brainrot characters
- Implemented ELO Ranking algorithm that updates leaderboard according to user input continuously, updated to scale for 150+ users
- Updated security measures for POST requests in database and decreased latency for requests by 25%

LLMJudge | https://studio--llm-judge-4sh1r.us-central1.hosted.app/
- Developed a web app with Firebase, TypeScript, and Tailwind CSS that benchmarks prompts and LLM outputs on length and tone
- Evaluated Gemini 2.0 Flash output with Perplexity Sonar, R1-1776, and Llama 3 with API calls and optimized
- Stored data for prior prompts and scores in CSV and visualized overall evaluation scores with bar chart

Certifications

- **Stanford - CodeInPlace:**CS106A Section Leader/Instructor
- **AI4ALL Ignite:**AI project accelerator - Summer 2025
- **CodePath - CYB102, TIP102 :**Intermedia Cybersecurity Course and Technical Interview Prep Course